

C# 실습 원품 ver1 소스

//ver1

```
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Windows.Forms;
using Oracle.DataAccess.Client;
namespace ADOForm
{
    public partial class Form1 : Form
    {
        private int SelectedRowIndex;

        public Form1()
        {
            InitializeComponent();
        }

        private void DAOpenBtn_Click(object sender, EventArgs e)
        {
            try
            {
                string connectionString = "User=Id=hong1; Password=1111; Data Source=(DESCRIPTION=(ADDRESS=(PROTOCOL=TCP)(HOST=localhost)(PORT=1521))(CONNECT_DATA=(SERVER=DEDICATED)(SERVICE_NAME=xex)));";

                string commandString = "select * from phone";

                OracleDataAdapter DBAdapter = new OracleDataAdapter(commandString, connectionString);

                DataSet DS = new DataSet();
                DBAdapter.Fill(DS, "phone");
                DBGrid.DataSource = DS.Tables["phone"].DefaultView;
            }
            catch (DataException DE)
            {
                MessageBox.Show(DE.Message);
            }
            catch (Exception DE)
            {
                MessageBox.Show(DE.Message);
            }
        }

        private void AppendBtn_Click(object sender, EventArgs e)
        {
            try
            {
                string connectionString = "User=Id=hong1; Password=1111; Data Source=(DESCRIPTION=(ADDRESS=(PROTOCOL=TCP)(HOST=localhost)(PORT=1521))(CONNECT_DATA=(SERVER=DEDICATED)(SERVICE_NAME=xex)));";

                string commandString = "select * from Phone";

                OracleDataAdapter DBAdapter = new OracleDataAdapter(commandString, connectionString);

                OracleCommandBuilder myCommandBuilder = new OracleCommandBuilder(DBAdapter);

                DataSet DS = new DataSet();
                DBAdapter.Fill(DS, "Phone");

                DataTable phoneTable = DS.Tables["Phone"];
                DataRow newRow = phoneTable.NewRow();
                newRow["id"] = Convert.ToInt32(txtid.Text);
                newRow["PName"] = txtName.Text;
                newRow["Phone"] = txtPhone.Text;
                newRow["Email"] = txtMail.Text;

                phoneTable.Rows.Add(newRow);
                DBAdapter.Update(DS, "Phone");

                DBGrid.DataSource = DS.Tables["Phone"].DefaultView;
            }
        }
    }
}
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    }
    catch (DataException DE)
    {
        MessageBox.Show(DE.Message);
    }
    catch (Exception DE)
    {
        MessageBox.Show(DE.Message);
    }
}

private void dataGridView1_CellClick(object sender, DataGridViewCellEventArgs e)
{
    try
    {
        string connectionString = "User=Id=hong1; Password=1111; Data Source=(DESCRIPTION=(ADDRESS=(PROTOCOL=TCP)(HOST=localhost)(PORT=1521))(CONNECT_DATA=(SERVER=DEDICATED)(SERVICE_NAME=xex)));";

        string commandString = "select * from Phone";

        OracleDataAdapter DBAdapter = new OracleDataAdapter(commandString, connectionString);

        DataSet DS = new DataSet();
        DBAdapter.Fill(DS, "Phone");

        DataTable phoneTable = DS.Tables["Phone"];

        if (e.RowIndex < 0)
        {
            // DBGrid의 컬럼 헤더를 클릭하면 컬럼을 정렬하므로 아무 메시지도 띄우지 않습니다.
            return;
        }
        else if (e.RowIndex > phoneTable.Rows.Count - 1)
        {
            MessageBox.Show("해당하는 데이터가 존재하지 않습니다.");
            return;
        }

        DataRow currRow = phoneTable.Rows[e.RowIndex];
        txtid.Text = currRow["id"].ToString();
        txtName.Text = currRow["PName"].ToString();
        txtPhone.Text = currRow["Phone"].ToString();
        txtMail.Text = currRow["Email"].ToString();

        SelectedRowIndex = Convert.ToInt32(currRow["id"]);
    }
    catch (DataException DE)
    {
        MessageBox.Show(DE.Message);
    }
    catch (Exception DE)
    {
        MessageBox.Show(DE.Message);
    }
}

private void UpdateBtn_Click(object sender, EventArgs e)
{
    try
    {
        string connectionString = "User=Id=hong1; Password=1111; Data Source=(DESCRIPTION=(ADDRESS=(PROTOCOL=TCP)(HOST=localhost)(PORT=1521))(CONNECT_DATA=(SERVER=DEDICATED)(SERVICE_NAME=xex)));";

        string commandString = "select * from Phone";

        OracleDataAdapter DBAdapter = new OracleDataAdapter(commandString, connectionString);

        OracleCommandBuilder myCommandBuilder = new OracleCommandBuilder(DBAdapter);
    }
}
```

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DataSet DS = new DataSet("Phone");
DBAdapter.Fill(DS, "Phone");

DataTable phoneTable = DS.Tables["Phone"];
DataColumn[] PrimaryKey = new DataColumn[1];
PrimaryKey[0] = phoneTable.Columns["id"];
phoneTable.PrimaryKey = PrimaryKey;

DataRow currRow =
phoneTable.Rows.Find(SelectedRowIndex);

currRow.BeginEdit();
currRow["id"] = txtid.Text;
currRow["PName"] = txtName.Text;
currRow["Phone"] = txtPhone.Text;
currRow["EMail"] = txtMail.Text;
currRow.EndEdit();

DataSet UpdatedSet =
DS.GetChanges(DataRowState.Modified);
if (UpdatedSet.HasErrors)
{
    MessageBox.Show("변경된 데이터에 문제가 있
습니다.");
}
else
{
    DBAdapter.Update(UpdatedSet, "Phone");
    DS.AcceptChanges();
}

DBGrid.DataSource =
DS.Tables["Phone"].DefaultView;

}
catch (DataException DE)
{
    MessageBox.Show(DE.Message);
}
catch (Exception DE)
{
    MessageBox.Show(DE.Message);
}
}

private void DeleteBtn_Click(object sender, EventArgs e)
{
    try
    {
        string connectionString = "User=Hong1;
Password=1111; Data Source=(DESCRIPTION = (ADDRESS =
(PROTOCOL = TCP)(HOST = localhost)(PORT = 1521))
(CONNECT_DATA = (SERVER = DEDICATED)
(SERVICE_NAME = xe) ) );";

        string commandString = "select * from Phone";

        OracleDataAdapter DBAdapter
        = new OracleDataAdapter(commandString,
connectionString);

        OracleCommandBuilder myCommandBuilder
        = new OracleCommandBuilder(DBAdapter);

        DataSet DS = new DataSet("Phone");
        DBAdapter.Fill(DS, "Phone");

        DataTable phoneTable = DS.Tables["Phone"];
        DataColumn[] PrimaryKey = new DataColumn[1];
        PrimaryKey[0] = phoneTable.Columns["id"];
        phoneTable.PrimaryKey = PrimaryKey;

        DataRow currRow =
phoneTable.Rows.Find(SelectedRowIndex);
        currRow.Delete();

        DBAdapter.Update(DS.GetChanges(DataRowState.Deleted),
"Phone");

        DBGrid.DataSource =
DS.Tables["Phone"].DefaultView;
    }
    catch (DataException DE)
    {
        MessageBox.Show(DE.Message);
    }
    catch (Exception DE)
    {
        MessageBox.Show(DE.Message);
    }
}

```

```

private void DBGrid_CellContentClick(object sender,
DataGridViewCellEventArgs e)
{
}
}
}

```